

FIG. 1A

1 / 6

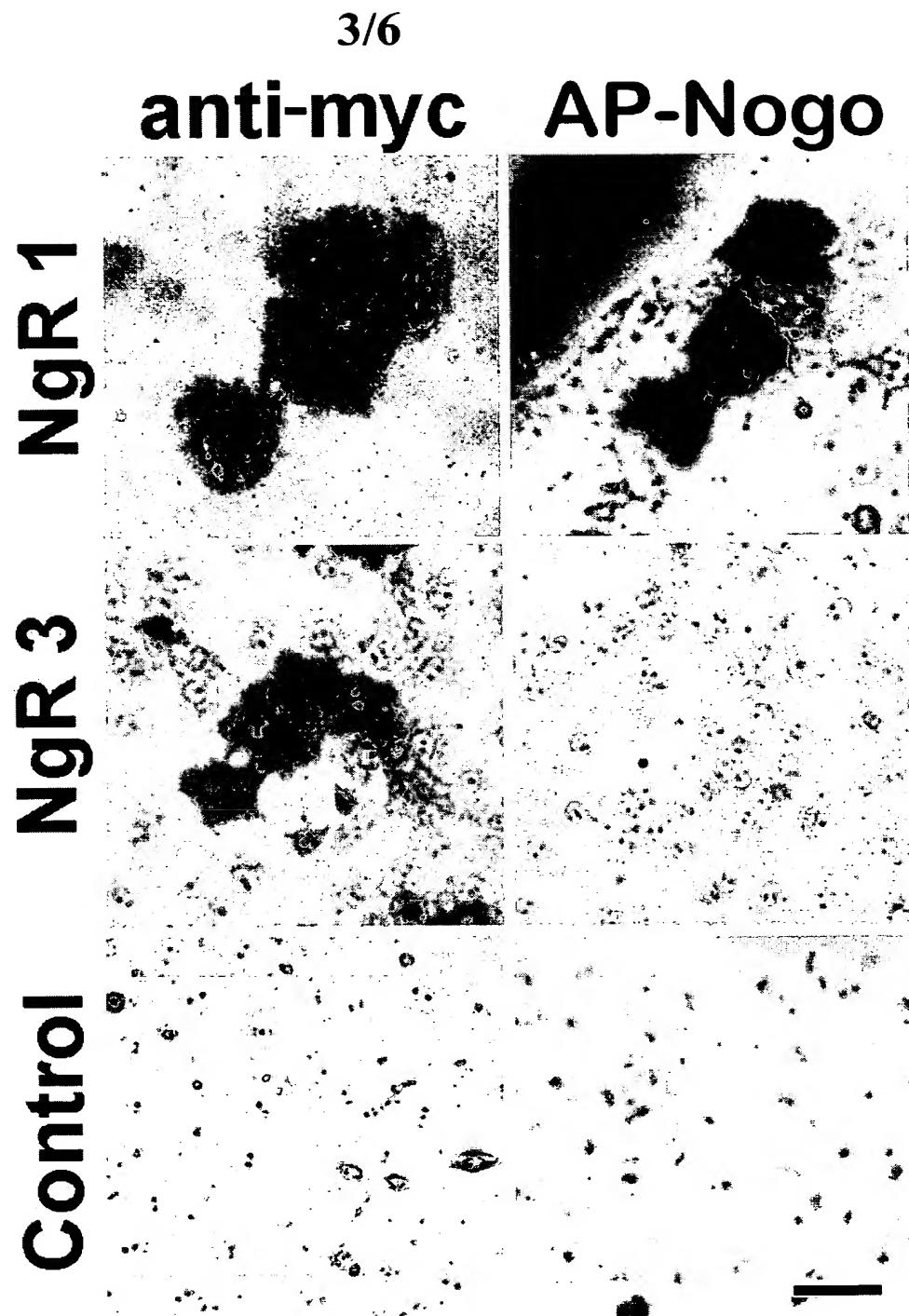
1	NOGO-R2	~~~~~MLPG LRRLLQAPAS AC..LLML LA..LPLAAP SCPPMLCTCY S	50
	NOGO-R3	MSWQSGTTVT QSPVQAAQVS GCCVELLLL LAGELPLGG. GCPRDCVCY P	
	NOGO-R1	~~~~~MKRAS AGGSRLLAWV LWLQAWQVAA PCPGACVCYN	
	Consensus	~~~~~S -----L-----L-----L----- -CP--C-CY-	
51	NOGO-R2	SP.PTVSCQA NNFSSVPLSL PPSTQRLFLQ NNLIRTLRPG TFGSS..NLNT	100
	NOGO-R3	AP.MTVSCQA HNFAAIPEGI PEDSERIFLQ NNRITFLQQG HFSP..AMVT	
	NOGO-R1	EPKVTTSCPQ QGLQAVPVGI PAASQRIFLH GNRISHVPAAS SFRACRNLT	
	Consensus	-P--T-SC-- -----P---P---R-FL- -N-I-----F-----	
101	NOGO-R2	LWLFNSNNLST IYPGTFRHLQ ALEELDLGDN RHLRSLEPDT FGGLERLQSL	150
	NOGO-R3	LWIYSNNNITF IAPNTFEGFV HLEELDLGDN QLRTLAPET FGGLVKLHAL	
	NOGO-R1	LWLHSNVLAR IDAAAFGTGLA LLEQLDLSDN AQLRSVDPAT FHGLGRLHTL	
	Consensus	LW--SN----I----F---- -LE-LDL-DN --LR--P-T F-GL--L--L	
151	NOGO-R2	HLYRCQLSSL PGNIFRGLVS LQYLYLQENS LLHLQDDLFA DLANLSHLFL	200
	NOGO-R3	YLYKCGLSSL PAGIFGGLHS LQYLYLQDNH IEYLQDDIFV DLWNLSHFL	
	NOGO-R1	HLDRCGLQEL GPGLFRGLAA LQYLYLQDNA LQALPDDTFR DLGNLTHLFL	
	Consensus	-L--C-L--L ----F-GL-- LQYLYLQ-N-- --L-DD-F- DL-NL-HLFL	
201	NOGO-R2	HGNRLRLLTE HVFRGLGSLD RLLLHGNNRLQ GVHRAAFRGL SRLTILYLFN	250
	NOGO-R3	HGNKLWSLGQ GIFRGLVNLD RLLKHENQLQ WVHHKAFFHDL HRLTTLFLN	
	NOGO-R1	HGNRISSVPE RAFRGLHSLD RLLLHQNRVA HVHPHAFFRDL GRIMTLYLFA	
	Consensus	HGN-----FRGL--LD RLLLH-N--- -VH--AF--L -RL--L-LF-	

FIG. 1B

2 / 6

251	NOGO-R2	NSLASLPGEA	LADLPSLEFL	RLNANPWACD	CRARPLWAWF	QRARVSSSDV	300
	NOGO-R3	NSLTELQGDC	LAPlVALEFL	RLNGNAWDCG	CRARSLWEWL	RRFRGSSSSAV	
	NOGO-R1	NNLSALPTEA	LAPlRALQYL	RLNDNPWVCD	CRARPLWAWL	QKFRGSSSEV	
	Consensus	N-L--L----	LA-L--L--L	RLN-N-W-C-	CRAR-LW-W-	--R-SSS-V	
301	NOGO-R2	TCATTPPERQG	RDLRALREAD	FQAC..P.P	AAPTRPGSRA	.....	350
	NOGO-R3	PCATTPELRQG	ODLKLRLVED	FRNC..TGP	VSPHQIJKSHT	.....
	NOGO-R1	PCSLPQRLAG	RDLKRLAAND	LQGCAVATGP	YHPIWTGRAT	DEEPLGLPKC	
	Consensus	-C--P---G	-DL--L--D	--C---P	--P-----	-	
351	NOGO-R2	.....RGN	..SSSNH.LY	G.VAE.....	AGAPPADPS.	..TLYRDLPA	400
	NOGO-R3	..LTTSDRAA	..RKEHHPPSH	G.ASRDKGHP	GHPPGSRSG	YKKAGKNCTS	
	NOGO-R1	CQDAAADKAS	VLEPGRPASA	GNALKGRVPP	GDSPPGNGSG	PRHI.NDSPF	
	Consensus	-----	-----	G-----	--P--S-	-	
401	NOGO-R2	EDSRGR...	QGGDAPTE.D	DYWGGY.....	.....GGED	QRGEQMCPGA	450
	NOGO-R3	HRNRNQISKV	SSGKELTELQ	DYAPDYQHKF	SFDIMPTARP	KRKGKCARRT	
	NOGO-R1	GTLPGSAEPP	LTAVRPEGSE	P..PGFPPTSG	PRRRPGCSRK	NRTRSHCRLG	
	Consensus	-----	-----	-----	-R-----	-	
451	NOGO-R2	ACQAPPDSRG	PALSAGLPSP	LLCLLILVPH	HL~~~~~	~	491
	NOGO-R3	PIRAPSGVQQ	ASSGTALGAP	LLAWILGLAV	TLR~~~~~	~	
	NOGO-R1	QAGSGGGGTG	DSEGGSGALPS	LTCSTLPLGL	ALVLWTVLGP	C	
	Consensus	-----	-----	L-----	-L~~~~~	~	

FIG. 2



		1	50
Human	NOGO-R1	~~~~~	~~~~~
Murine	NOGO-R1	~~~~~	~~~~~
Murine	NOGO-R3	MSWQSGTTVT	QSPVQAAQVS
Human	NOGO-R3	~~~~~	~~~~~
Human	NOGO-R2	~~~~~	MLPGLRRLLQ
Consensus		~~~~~	APASACLLM
		~~~~~	LLAIPLAAPS
		~~~~~	CMLCTCYSS
		~~~~~	CP--C-CY--
		~~~~~	CPGACVCYNE
		~~~~~	WLQAWQVAAP
		GGSRLLAWVL	CPGACVCYNE
		GGSRLLAWVL	WLQAWRVAAP
		GGCVELLLL	CPGACVCYNE
		LAGELPLGGG	CPRDCVCYPA
		~~~~~	~~~~~
		~~~~~	~~~~~
		~~~~~	~~~~~
		~~~~~	~~~~~

		LRR NT			LRR 1			100		
51		PKVTTSCPQQ	GLQAVPVGIP	AASQRIFLHG	NRISHVPAAS	FRACRNLTIL				
Human	NOGO-R1	PKVTTSCPQQ	GLQAVPVGIP	AASQRIFLHG	NRISHVPAAS	FQSQRNLTIL				
Murine	NOGO-R1	PKVTTSCPQQ	GLQAVPVGIP	AASQRIFLHG	NRISHVPAAS	FQSQRNLTIL				
Murine	NOGO-R3	P.MTVSCQAH	NFAAIPEGIP	EDSERIFLQN	NRITFLQQGH	FSP. .AMVTL				
Human	NOGO-R3	~~~~~	~~~~~	~~~~~	~~~~~	NRIGLLQPGH	FSP. .AMVTL			
Human	NOGO-R2	P.PTVSCQAN	NFSSVPLSLP	PSTQRLFLQN	NLIRTLRPGT	FGS. .NLLTI				
Consensus	P--T-SC---	-----	-----	P-----P	-----R-FL--	N-I-----	F-----			

		101	LRR 2	LRR 3	150
Human	NOGO-R1	WLHSNVLARI	DAAAFTGLAI	LEQDLSDNA	QLRSVDPATF
Murine	NOGO-R1	WLHSNALARI	DAAAFTGTLI	LEQDLSDNA	QLHVVDPTTF
Murine	NOGO-R3	WIYSNNITIFI	APNTFEGFVH	LEELDLGDNR	QLRTLAPETF
Human	NOGO-R3	WIYSNNITYI	HPSTFEGFVH	LEELDLGDNR	QLRTLAPETF
Human	NOGO-R2	WLFSNNLSTI	YPGTFRHLQA	LEELDLGDNR	HLRSLEPDTF
Consensus		W--SN----	I-----F-----	LE-LDL-DN-	-L-----P-TF

		151	LRR 4	LRR 5	200
Human	NOGO-R1	LDRCGLQELG	PGLFRGLAAL	QYLYLQDNAL	QALPDDTFRD LGNLTHLFLH
Murine	NOGO-R1	LDRCGLRELG	PGLFRGLAAL	QYLYLQDNL	QALPDNTFRD LGNLTHLFLH
Murine	NOGO-R3	LYKGGLSALP	AGIFGGLHSL	QYLYLQDNHI	EYLQDDIFVD LVNLSHLFLH
Human	NOGO-R3	LYKGGLSALP	AGVFGGLHSL	QYLYLQDNHI	EYLQDDIFVD LVNLSHLFLH
Human	NOGO-R2	LYRCQLSSLP	GNIFRGGLVSL	QYLYLQENS	LHLQDDLFAD LANLSHFLH
Consensus		L--C-L--L-	--F-GL--L	QYLYLQ-N--	--L-D--F-D L-NL-HLFFLH

FIG. 3

FIG. 3

	LRR 6	LRR 7	LRR 8	LRR CT	
201	Human NOGO-R1 Murine NOGO-R1 Murine NOGO-R3 Human NOGO-R3 Human NOGO-R2 Consensus	GNRISSVPER AFRGLHSILDR LLLHQNRVAH VPHAFRDLG RLMTLYLFAN GNRIPSVPEH AFRGLHSILDR LLLHQNRVAH VPHAFRDLG RLMTLYLFAN GNKLWSLQQG IFRGLVNLDL LLLHENQLQW VHHKAFHDLH RLTTLFLFNN GNKLWSLGPQ TERGLVNLDL LLLHENQLQW VHHKAFHDLR RLTTLFLFNN GNRLRLTEH VFRGLGSILDR LLLHGNRLQG VHRAAFRGLS RLTILYLFNN GN----- -FRGL-LDR LLLH-N----- VH--AF--L- RL--L-LF-N		250	5/6
251	Human NOGO-R1 Murine NOGO-R1 Murine NOGO-R3 Human NOGO-R3 Human NOGO-R2 Consensus	<b>NLS</b> ALPTEAL APLRALQYLR LNDNPWVCDC RARPLAWLQ KFRGSSSEVP <b>NLS</b> MLPAEVL MPLRSIQLYLR LNDNPWVCDC RARPLAWLQ KFRGSSSEVP <b>SLT</b> ELQGDCL APLVALEFLR LNGNAWDCGC RARSILWEWLR RFRGSSSAVP <b>SL</b> SELQGECL APLGALEFLR LNGNPWDCGC RARSILWEWLR RFRGSSSAVP <b>SL</b> ASLPGEAL ADLPSLEFLR LNANPWACDC RARPLAWFQ RARVSSSSDVT -L---L---L --L---L--LR LN-N-W-C-C RAR-LW-W-- --R-SSS-V-		300	FIG. 3, cont.
301	Human NOGO-R1 Murine NOGO-R1 Murine NOGO-R3 Human NOGO-R3 Human NOGO-R2 Consensus	CSLPQRLAGR DLKRLAANDL QGCCAVATGPY HPIWTGRATD EEPGLGLPKCC CNLPQRLADR DLKRLAASDL EGCAVAVASGPF RPIQTSQLTD EELLSLPKCC CATPELROQQ DLKLLRVEDF RNCTGPVSP. HQIKSHTLTT SDRAARKEHH CVSPGLRHGQ DLKLLRAEDF RNCTGPASP. HQIKSHTLTT TDRAARKEHH CATPPERQGR DLRLAREADF QACP.PAAP. TRPGSRA... .RGNSSSNH C---P----- DL---L---D---C---P-----		350	
351	Human NOGO-R1 Murine NOGO-R1 Murine NOGO-R3 Human NOGO-R3 Human NOGO-R2 Consensus	QPDAAADKASV LEPGRPASAG NALKGRVPPG DSPPGNGSGP RHINDSPEGT QPDAAADKASV LEPGRPASAG NALKGRVPPG DTPPGNGSGP RHINDSPEGT PSHGASRDKG HPHGHPPGSR SGYK. .... .KAGKNCITSH RNRNQISKVS SPHGPTRSKG HPH. .... GPR PGHR. .... .KPGKNCITNP RNRNQISKAG LYGVA. EAG AP. .... PADPS TLYR. .... .DLPA. .... .EDSRGR -----		400	

6/6

FIG. 3, cont.

		401	450
Human	NOGO-R1	LPGSAEPPLT	AVRPEGSEPP
Murine	NOGO-R1	LPSAEPPLT	ALRPGGSEPP
Murine	NOGO-R3	SGKELTEIQ	DYAPDQYQHKF
Human	NOGO-R3	AGKQAPELP	DYAPDQYQHKF
Human	NOGO-R2	QGGDAPTED	DYWGGY...
Consensus		-----	-R-----
		451	Putative GPI Signals 490
Human	NOGO-R1	AGSGGGGTGD	SESGALPSL
Murine	NOGO-R1	AGGGASGTGD	AEGSGALPAL
Murine	NOGO-R3	.....	ASSGTALG
Human	NOGO-R3	.....	ASSASSLG
Human	NOGO-R2	.....	SRGPALSA
Consensus		-----	-----